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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
10/801,390	03/15/2004	Hajime Kashiwase	03886/0201044-US0	3157
7278 759	90 06/15/2005		EXAMINER	
DARBY & DARBY P.C.			AGUIRRECHEA, JAYDI A	
P. O. BOX 5257 NEW YORK, N	NY 10150-5257		ART UNIT PAPER NUMBE	
			2834	
			DATE MAILED: 06/15/2005	5

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary Application No. Applicant(s) Examiner Jaydi A. Aguirnochea 2834				
## Examiner ## Day/I A Aguirrechea ## 2934 ##		Application No.	Applicant(s)	<u> </u>
	Office A 44' Commence	10/801,390	KASHIWASE ET AL.	OW
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Application/Control Number: 10/801,390 Page 2

Art Unit: 2834

DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

A person shall be entitled to a patent unless -

- (b) the invention was patented or described in a printed publication in this or a foreign country or in public use or on sale in this country, more than one year prior to the date of application for patent in the United States.
- 2. Claim 1 is rejected under 35 U.S.C. 102(b) as being anticipated by Matsui et al. (JP2002-168719 using US 2004/0075498 as the English Translation)

Matsui discloses a charge amplifier (1) for converting a charge signal comprising a signal converting circuit (Figures 1, 4) for converting a charge signal from a piezoelectric pressure sensor by an effect of a detecting target and by a converted signal into a voltage signal (paragraph [0034] of the English translation); and an automatic correction circuit for detecting a leakage of the charges generated in a signal transmission system and for automatically correcting an output level of said signal converting circuit so that the output levels are the same at the start timing and the end timing for generating the charges of said sensor (paragraphs [0044-0045] and [0048-0049]).

Claim Rejections - 35 USC § 103

- 3. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:
 - (a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Application/Control Number: 10/801,390 Page 3

Art Unit: 2834

4. This application currently names joint inventors. In considering patentability of the claims under 35 U.S.C. 103(a), the examiner presumes that the subject matter of the various claims was commonly owned at the time any inventions covered therein were made absent any evidence to the contrary. Applicant is advised of the obligation under 37 CFR 1.56 to point out the inventor and invention dates of each claim that was not commonly owned at the time a later invention was made in order for the examiner to consider the applicability of 35 U.S.C. 103(c) and potential 35 U.S.C. 102(e), (f) or (g) prior art under 35 U.S.C. 103(a).

5. Claims 2-4 are rejected under 35 U.S.C. 103(a) as being unpatentable over Matsui et al. in view of Hattori et al. (US 4095576).

Matsui discloses the claimed invention except for the reset circuit for discharging an input charge by an external signal and the external signal being synchronous with a rotational angle (M_1 and M_2) of the crankshaft of the engine.

Hattori discloses the suitability of a control system for discharging an input charge using an external signal, (Column 4, lines 21-64).

Therefore, it would have been obvious at the time of the invention was made to use a control system since Hattori teaches the suitability of a control system for discharging an input charge using an external signal in a charge amplifier using a piezoelectric sensor for an internal combustion engine.

Conclusion

6. The prior art made of record and not relied upon is considered pertinent to applicant's disclosure. See PTO-892.

Art Unit: 2834

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Jaydi A. Aguirrechea whose telephone number is 571-272-2018. The examiner can normally be reached on M-Th 9-7.

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Darren E. Schuberg can be reached on 571-272-2044. The fax phone number for the organization where this application or proceeding is assigned is 703-872-9306.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free).

AA 6/12/05

Darren Schuberg Supervisory Patent Examiner Technology Center 2800